



Docket No.: 8733.872.00-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Sang-Seok Lee, et al.

Confirmation No.: N/A

Application No.: 10/661,473

Group Art Unit: N/A

Filed: September 15, 2003

Examiner: Not Yet Assigned

For: **SUBSTRATE BONDING APPARATUS FOR  
LIQUID CRYSTAL DISPLAY DEVICE**

Customer No.: 30827

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

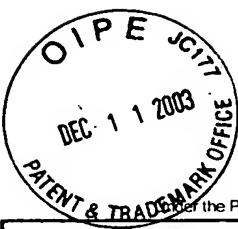
The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.872.00-US. A duplicate copy of this paper is enclosed.

Dated: December 11, 2003

Respectfully submitted,

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PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
				Application Number	10/661,473
				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	5	Attorney Docket Number	8733.872.00-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA		2001-0021000-A1	09-13-2001	Egami	
AB		4,094,058-	06-13-1978	Yasutake et al.	
AC		4,691,995-A1	09-08-1987	Yamazaki et al.	
AD		5,875,922-B1	03-02-1999	Chastine et al.	
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AT		5,263,888-	11-23-1993	Ishihara et al.	
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AW		5,499,128-A1	03-12-1996	Hasegawa et al.	
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AZ		5,548,429-	08-20-1996	Tsujita	
AA1		5,680,189-	10-21-1997	Shimizu et al.	
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AC1		5,852,484-	12-22-1998	Kazuo Inoue et al.	
AD1		5,854,664-	12-29-1998	Kazuo Inoue et al.	
AE1		5,861,932-	01-19-1999	Masashi Inata et al.	
AF1		5,952,678	09-14-1999	Ashida	
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AH1		6,001,203-	12-14-1999	Yamada et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
BA	JP-05-154923-		06-22-1993	Fukuo et al.		
BB	KR-2000-035302-A1		06-26-2000	Yoshihiro		
BC	JP-06-235925-		08-23-1994	Katsuya		
BD	JP-06-313870-		11-08-1994	Fukuo et al.		
BE	JP-07-084268-		03-31-1995	Hiroshi et al.		
BF	JP-08-101395-		04-16-1996	Satoru et al.		
BG	JP-09-061829-		03-07-1997	Satoru et al.		
BH	JP-10-177178-		06-30-1998	Shinichi et al.		
BI	JP-10-333157-		12-18-1998	Takayuki et al.		
BJ	JP-10-333159-		12-18-1998	Takayuki et al.		
BK	JP-11-133438-		05-21-1999	Shinichi et al.		
BL	JP-11-142864-		05-28-1999	Takashi et al.		
BM	JP-11-248930-		09-17-1999	Satoru et al.		
BN	JP-11-326922-		11-26-1999	Yuji		
BO	JP-2000-002879-		01-07-2000	Masaki		
BP	JP-2000-056311-		02-25-2000	Satoru et al.		
BQ	JP-2000-066165-		03-03-2000	Koji et al.		
BR	JP-2000-137235-		05-16-2000	Norihiro et al.		
BS	JP-2000-147528-		05-24-2000	Nobutaka et al.		
BT	JP-2000-193988-		07-14-2000	Taijin et al.		
BU	JP-2000-241824-		09-08-2000	Masanori et al.		
BV	JP-2000-284295-		10-13-2000	Satoshi et al.		
BW	JP-2000-292799-		10-20-2000	Yoshiteru et al.		
BX	JP-2000-310759-		11-07-2000	Norihiro		
BY	JP-2000-310784-		11-07-2000	Kazuo et al.		
BZ	JP-2000-338501-		12-08-2000	Hideaki		
BA1	JP-2001-005401-		01-12-2001	Kiyoshi et al.		
BB1	JP-2001-005405-		01-12-2001	Satoshi et al.		
BC1	JP-2001-013506-		01-19-2001	Seiji et al.		
BD1	JP-2001-033793-		02-09-2001	Shinichiro et al.		
BE1	JP-2001-042341-		02-16-2001	Masayuki et al.		
BF1	JP-2001-051284-		02-23-2001	Norihiro		
BG1	JP-2001-066615-		03-16-2001	Katsuki et al.		
BH1	JP-2001-091727-		04-06-2001	Koji et al.		
BI1	JP-2001-117109-		04-27-2001	Hideki et al.		
BJ1	JP-2001-133745-		05-18-2001	Satoshi et al.		
BK1	JP-2001-133799-		05-18-2001	Satoshi		
BL1	JP-2001-166272-		06-22-2001	Kiyoshi et al.		
BM1	JP-2001-166310-		06-22-2001	Takashi et al.		
BN1	JP-2001-183683-		07-06-2001	Akinori et al.		
BO1	JP-2001-201750-		10-04-2001	Kazuyuki et al.		
BP1	JP-2001-209052-		08-03-2001	Hideaki		
BQ1	JP-2001-209060-		08-03-2001	Yoshiro et al.		
BR1	JP-2001-215459-		09-13-2001	Norihiro		

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				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
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	BS1	JP-2001-222017-	08-17-2001	Kunihiro et al.	
	BT1	JP-2001-235758-	08-31-2001	Katsuki	
	BU1	JP-2001-272640-	10-05-2001	Kuniaki	
	BV1	JP-2001-281675-	10-10-2001	Yutaka et al.	
	BW1	JP-2001-281678-	10-04-2001	Hiroyuki et al.	
	BX1	JP-2001-282126-	10-12-2001	Masayuki et al.	
	BY1	JP-2001-305563-	10-31-2001	Akira et al.	
	BZ1	JP-2001-330837-	11-30-2001	Kazufumi	
	BA2	EP-1 003 066 A1-A1	05-24-2000	Egami et al.	
	BB2	JP-2001-356353-	12-26-2001	Satoshi et al.	
	BC2	JP-51-065656-	06-07-1976	Yoichi	
	BD2	JP-59-057221-	04-02-1984	Yoshio et al.	
	BE2	JP-59-195222-	11-06-1984	Osamu	
	BF2	JP-60-111221-	06-17-1985	Masanori et al.	
	BG2	JP-57-038414-A1	03-03-1982	Naoaki et al.	
	BH2	JP-57-088428-A1	06-02-1982	Tsutomu	
	BI2	JP-58-027126-A1	02-17-1983	Takao	
	BJ2	JP-60-164723-A1	08-27-1985	Tooru	
	BK2	JP-60-217343-A1	10-30-1985	Kiyohiro	
	BL2	JP-61-007822-A1	01-14-1986	Shinjiro	
	BM2	JP-61-055625-A1	03-20-1986	Norio et al.	
	BN2	JP-62-089025-A1	04-23-1987	Shinji et al.	
	BO2	JP-62-090622-A1	04-25-1987	Akihiro et al.	
	BP2	JP-62-205319-A1	09-09-1987	Akira et al.	
	BQ2	JP-63-109413-A1	05-14-1988	Yoshiro	
	BR2	JP-63-110425-A1	05-14-1988	Motoi	
	BS2	JP-63-128315-A1	05-31-1988	Toshiyasu	
	BT2	JP-63-311233-A1	12-20-1988	Yoko et al.	
	BU2	JP-05-127179-A1	05-25-1993	Hiroshi	
	BV2	JP-05-265011-A1	10-15-1993	Katsuki	
	BW2	JP-05-281557-A1	10-29-1993	Hisao et al.	
	BX2	JP-05-281562-A1	10-29-1993	Satoshi et al.	
	BY2	JP-06-051256-A1	02-25-1994	Koji et al.	
	BZ2	JP-06-148657-A1	05-27-1994	Yoshinori et al.	
	BA3	JP-06-160871-	06-07-1994	Yoshinori et al.	
	BB3	JP-06-265915-A1	09-22-1994	Hirotada et al.	
	BC3	JP-07-128674-A1	05-19-1995	Yoshiyuki et al.	
	BD3	JP-07-181507-A1	07-21-1995	Teruhiko	
	BE3	JP-08-095066-A1	04-12-1996	Kazuhiro et al.	
	BF3	JP-08-106101-A1	04-23-1996	Yoshiro et al.	
	BG3	JP-08-171094-A1	07-02-1996	Shinji et al.	
	BH3	JP-08-190099-A1	07-23-1996	Yoshiro et al.	
	BI3	JP-08-240807-A1	09-17-1996	Yoshiro et al.	
	BJ3	JP-09-005762-A1	01-10-1997	Hiroyuki	
	BK3	JP-09-026578-A1	01-28-1997	Kunihiro et al.	
	BL3	JP-09-073075-A1	03-18-1997	Junji et al.	
	BM3	JP-09-073096-A1	03-18-1997	Hideki et al.	
	BN3	JP-09-127528-A1	05-16-1997	Kunihiro et al.	

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				Art Unit	N/A
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BO3	JP-09-230357-A1	09-05-1997	Teruhiko	
BP3	JP-09-281511-A1	10-31-1997	Kunihiro et al.	
BQ3	JP-09-311340-A1	12-02-1997	Satoshi	
BR3	JP-10-123537-A1	05-15-1998	Norihiro et al.	
BS3	JP-10-123538-A1	05-15-1998	Hideki et al.	
BT3	JP-10-142616-A1	05-29-1998	Hideyuki et al.	
BU3	JP-10-221700-A1	08-21-1998	Kunihiro et al.	
BV3	JP-10-282512-A1	10-23-1998	Hideyuki	
BW3	JP-11-014953-A1	01-22-1999	Takahiro	
BX3	JP-11-038424-A1	02-12-1999	Kunihiro et al.	
BY3	JP-11-064811-A1	03-05-1999	Naoto	
BZ3	JP-11-109388-A1	04-23-1999	Yuzo et al.	
BA4	JP-11-174477-A1	07-02-1999	Katsuki et al.	
BB4	JP-11-212045-A1	08-06-1999	Shirou	
BC4	JP-11-344714-A1	12-14-1999	Masaaki et al.	
BD4	JP-2000-029035-	01-28-2000	Naoya et al.	
BE4	JP-2001-117105-	04-27-2001	Takeshi	
BF4	JP-2001-133794-	05-18-2001	Kazuyuki	
BG4	JP-2001-142074-	05-25-2001	Makiko et al.	
BH4	JP-2001-147437-	05-29-2001	Makoto et al.	
BI4	JP-2001-154211-	06-08-2001	Yuichiro et al.	
BJ4	JP-2001-255542-	09-21-2001	Yuichi	
BK4	JP-2001-264782-	09-26-2001	Nobumasa et al.	
BL4	JP-2001-330840-A1	11-30-2001	Hisaoaki et al.	
BM4	JP-2001-356354-A1	12-26-2001	Hiroyuki et al.	
BN4	JP-2002-014360-A1	01-18-2002	Norihiro et al.	
BO4	JP-2002-023176-A1	01-23-2002	Koji	
BP4	JP-2002-049045-A1	02-15-2002	Takeshi	
BQ4	JP-2002-082340-A1	03-22-2002	Sadaichi et al.	
BR4	JP-2002-090759-A1	03-27-2002	Koji	
BS4	JP-2002-090760-A1	03-27-2002	Norihiro	
BT4	JP-2002-107740-A1	04-10-2002	Mitsuaki	
BU4	JP-2002-122872-A1	04-26-2002	Tetsuo et al.	
BV4	JP-2002-122873-A1	04-26-2002	Yasuo	
BW4	JP-2002-139734-	05-17-2002	Hiroyuki et al.	
BX4	JP-2002-202512-A1	07-19-2002	Akimasa	
BY4	JP-2002-202514-A1	07-19-2002	Satoshi et al.	
BZ4	JP-2002-214626-A1	07-31-2002	Shinichi	

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Sheet	5	of	5	Attorney Docket Number	8733.872.00-US

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>

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